Specialised Orthotic Services

MoJo® Wheelbase

(Fixed Frame & Mechanical Tilt)

USER'S MANUAL

ALL USER'S OF THE EQUIPMENT SHOULD BE AWARE
OF THIS DOCUMENT AND ITS CONTENT

CE CLASS 1 DEVICE

ISSUE 10

Index

CONTENTS **PAGE**

Index ..... 1 & 2
Serial No 2
Introduction 3
Brake Variations 3
Stability of Wheelchair and Seating Systems 4
Recommendations on Transport 5
Safety Guidelines for Transportation 6
Transportation ..... 7 - 9
WTORS Manufacturers 10
Key Identification Points ..... 10 - 13

1.0 **User's Guide "Preparing Wheelbase For Use"**
1.1 Unfolding the Handles 14
1.2 Folding the Handles 15
1.3 Attaching & Releasing the Seat 16
1.4 Tilt Operation (When Fitted) 17
1.5 Handle Height Adjustment 17
1.6 Recline Operation (When Fitted) 18
1.7 Attendant Parking Brakes (When Fitted) 18

2.0 **User's Guide "Fitting & Use of Accessories"**
2.1 Footrest Adjustment (If Fitted) 19
2.2 Swing Aside Footrest Adjustment (If Fitted) 20
2.3 Armrest Adjustment (If Fitted) 21
2.4 Power pack Fitting (If Supplied) 22
2.5 Net Carrier Fitting & Removal (If Supplied) 23
2.6 Sunshade/Rain Canopy Fitting & Removal (If Supplied) ..... 24 & 25
2.7 Solo Rain Canopy Fitting & Removal (If Supplied) 26

3.0 **User's Guide "Placing the Client"**
3.1 Seating the Client When Using the Wheelbase 27
3.2 Removing the Client from the Seating System 27

Index (Cont.)

CONTENTS **PAGE**

4.0 User's Guide "Manoeuvring The Wheelchair"

4.1 Pushing the Wheelchair 28

5.0 User's Guide "Looking After The Wheelbase"

5.1 Cleaning 29

5.2 Fault Finding 29

5.3 Maintenance 30

If You Detect a Fault or Breakage 31

SPECIFICATIONS ..... 32 - 34

CONTACT DETAILS ..... Backpage

Serial No.

- Each Wheelbase has a unique Serial Number Plate attached to the base frame for identification. A copy of the Unique Serial Number is attached below for reference:

MOJO WHEELBASE
(Class 1 Device)

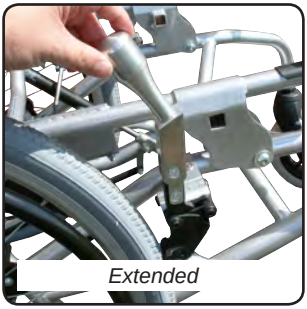
Introduction

- This Users Guide for the Wheelbase is designed to give guidance on its use and maintenance.
- The Wheelbase is designed to use a SOS interface system when using special seating systems.
- To make sure that placing a seating system in the wheelbase does not render it unstable, it is recommended that when handing the MoJo and seating system over to the client it is tested for stability and a Certificate of Compliance is issued to verify that the level of stability is satisfactory (for more details regarding stability of wheelchair & seating systems, see page 4).
- When used in transport the whole system ***MUST*** be securely fastened to the floor of the vehicle (***WHEELCHAIR TIE DOWNS***) and the vehicles safety belts (***OCCUPANT RESTRAINT***) ***MUST*** be used in conjunction with the seating systems straps. (See Guidelines for Transportation on pages 5 - 9)
- The wheelbase has been tested to and conforms to the transport requirements as specified in ISO 7176-19:2001.
- The maintenance and safety instructions described in the manual must be adhered to. By following these instructions you will be ensuring correct use of the Wheelbase and its safety in use.
- It is also important to read the 'Seating System User Manual' with regard to general use, transportation use and maintenance.

BRAKE VARIATIONS

- Reference is made through out this Users Guide to apply the brakes, the images on those pages show the standard Hand Operated brakes. Please refer to the figures below to identify the correct type of braking system fitted.

Standard



Extended

Attendant Parking

Stability of Wheelbase and Seating Systems

- To ensure that the Wheelbase and Seating System are safe to use, it is important that fitting the Seating System to the Wheelbase does not make the wheelchair unstable. Each Wheelbase when handed over to the user should be tested for static stability to the specified angle of 12° (Fig.1).
- It is also recommended that any additional items to be used with the seat and wheelbase are in place when the test is done.
- The stability test is always done with the client seated in the seating system and all equipment to be used by the client on a daily basis when in the wheelchair in situ.
- Once the test has been successfully completed, a Stability Certificate will be issued by Specialised Orthotic Services Limited. A copy of this certificate will be handed over when the equipment is supplied and should be kept with the user manual for future reference.

Fig.1

- **The Wheelbase is not to be used with any other Seating System(s) than those for which it has been stability tested and proven safe for use.**
- **Always steer clear of obstacles where possible.**
- **When using the equipment never attempt to climb or descend an incline where the surface is rough, wet or slippery (gravel, loose chippings, grass, rain, ice, snow, etc).**
- ***WARNING:*** **Whilst the client is seated in the wheelchair, the attachment of any heavy object to the wheelchair (i.e. shopping bags etc.) will have a serious effect on the overall stability of the wheelchair and may place the safety of the client at risk.**

Recommendations for the Transportation of SOS Wheelbases & Seating Systems

The following information is intended to give guidance with regard to the use of SOS Wheelbase & Seating Systems by wheelchair users and carers during transportation.

- **Specialised Orthotic Services Ltd** have carried out extensive investigations into the suitability of our Wheelbases & Special Seating Systems for transportation use and has established clear guidelines for users.
- Following these investigations the following user information is intended to give guidance to users of SOS Wheelbases & Seating Systems regarding the use of the equipment during transportation.
- As part of the assessment process, transportation requirements will be assessed.

This information will be of interest to all parties involved in the daily management of the wheelchair user (Relatives, Carers, Support Staff, Healthcare Professionals and Transport Service Providers).

General Safety Guidelines for Wheelchair User Transportation

- All Wheelchair users should transfer to vehicle seats whenever possible.
- The Wheelchair is designed to be forward facing when used for transportation of the client in an adapted motor vehicle and users should not travel with the wheelchair at an angle or facing sideways to the direction of travel.
- There should be sufficient free space around the wheelchair and user to avoid the user making contact with other vehicle occupants, unpadded parts of the vehicle, wheelchair accessories or W.T.O.R.S. anchor points.
- It is important to apply brakes during transport.
- Mobility equipment should not block gangways and exits for other passengers in the vehicle.
- A headrest should be provided for use when travelling in a vehicle where other seated passengers have headrests.
- Do not place / hang any additional items onto the wheelchair during transportation such as shopping bags and holdalls.
- Trays should be removed for transportation and secured separately in the vehicle or be secured to the wheelchair but positioned away from the occupant with energy-absorbing padding placed between the tray and the occupant.

Wheelchair Tie Down and Occupant Restraint System (W.T.O.R.S.)

- Secure methods for the safe retention of wheelchairs have been developed and are used on a regular basis to secure wheelchairs during transportation use.
- These systems are now commonly referred to as **W.T.O.R.S.**

Wheelchair Tie down and Occupant Restraint Systems

- There are many types of W.T.O.R.S. available from various manufacturers, (a list of some manufacturers is given on page 9). Refer to your Seating System Manufacturers Handbook for details of their particular recommendations.
- Please note that all lap /chest belts and harnesses supplied with the seating system ***are not*** sufficient for occupant restraint when the equipment is used on a moving vehicle and additional Occupant Restraint is required.

1. TRANSPORTATION

- When ever possible the user should be removed from the seating system and secured in the vehicles fixed seats.
- When not in use for transportation the seating system & wheelbase should be disassembled and fixed in the luggage area of the vehicle.

1.1. TRANSPORTATION OF THE CLIENT SEATED IN THE MOJO WHEELBASE SEATING UNIT.

- Transportation of the user with the seating system can be done when used in conjunction with a Wheelchair Tie down and Occupant Restraint System (W.T.O.R.S.). The ***MOJO*** wheelbase has been tested using a 4-point tie down system.
- Push the wheelchair into the vehicle via a ramp when ever possible.
- Apply both brakes (refer to page 3 for brake type) (Fig.1.1a). ***Please Note:*** The wheelbase & seating system can be safely transported at any angle of tilt as long as the seat belt can be located correctly over the shoulder.
- Attach the W.T.O.R.S. to the front tie down points (Fig.1b).
- Attach the W.T.O.R.S. to the rear tie down points (Fig.1c).
- Attach a permanently fixed vehicle seat belt around the client and wheelbase.
- **Please refer to the W.T.O.R.S. manufacturers handbook for correct fitting and adjustment for both the client and passengers safety.**
- **Never move the vehicle without applying:**
  - **i) The wheelchair brakes.**
  - **ii) Correctly fitted & adjusted W.T.O.R.S.**
  - **iii) Vehicle seat belt around the client & wheelbase.**

Fig.1.1a

Fig.1.1b

Fig.1.1c

1.2. WHEELCHAIR TIE DOWN SYSTEM

- **Wheelchair users should not travel in cars, taxis or minibuses, unless the wheelchair is tied down.**
- Please refer to your Wheelbase & Seating System users guides for information regarding the recommended wheelchair tie down system to be used.
- Only the Seating System specified for use with the Wheelbase can be used.

1.3. OCCUPANT RESTRAINT SYSTEM

- **Wheelchair users should not travel in cars, taxis or minibuses, unless an occupant restraint system is in place on the client.**
- For any client to be transported safely in the Seating System and wheelchair, it is essential that an Occupant Restraint System be used.
- SOS have proven during crash tests on Wheelbase's (Fig.1.3a) that transporting any client on a moving vehicle without an approved occupant restraint system is extremely dangerous and will place ***THE CLIENT AT GREAT RISK***.
- It is important that the Occupant Restraint System is positioned correctly as most clients using Special Seating will be dependent on carers for correct placement of the occupant restraint.
- Consideration should be given to the most suitable type and positioning of restraint for the user, both in normal travel and during an impact.
- The Occupant Restraint should have a clear path from the user to the anchor point (Fig.1.3b), and should not be held away from the body and should not be interfered with by any part of the vehicle, Wheelbase, seating or accessory (Fig.1.3c).

Fig.1.3a

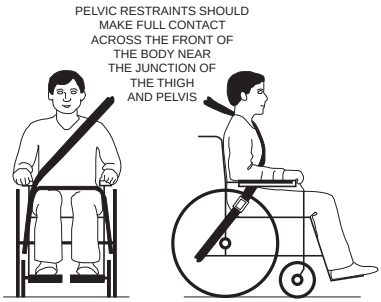


Fig.1.3b

Fig.1.3c

1.4. STOWAGE OF THE WHEELBASE AND SEATING SYSTEM

- During use of your Special Seating System it may be necessary for you to remove the Seating System and stow this along with the Wheelbase in a vehicle.
- It is ***important*** to realise that these items pose a ***risk*** if not adequately restrained whilst in transit.
- It is ***not*** adequate to simply place the items into a car boot or the floor of an open vehicle such as an MPV or estate car as in a collision these unsecured items could cause ***serious injury*** to occupants of the vehicle.
- Various retention methods are available to secure such equipment during transit, and once again the list of Wheelchair Restraint System Manufacturers in this booklet will be happy to advise on this matter (see below).

W.T.O.R.S MANUFACTURERS

Below are details of some Wheelchair Tie down and Occupant Restraint Systems manufacturers.

UNWIN SAFETY SYSTEMS	Unwin House The Horseshoe Coat Road Martock Somerset TA12 6EY	TEL: 01935 827740 FAX: 01935 827760 E Mail: sales@unwin-safety.co.uk
KOLLER ENGINEERING LTD	Unit 5, Garrett Road Lynx Trading Estate Yeovil Somerset BA20 2TJ	TEL: 01935 426695 FAX: 01935 433766 E Mail: enquiries@koller.co.uk
QSTRAINT (EUROPE)	72 - 76 John Wilson Business Park Whitstable Kent CT5 3QT	TEL: 01227 773035 FAX: 01227 770035 E Mail: info@qstraint.com

2. KEY IDENTIFICATION POINTS

2.1. STANDARD

- SOS MOJO Wheelbases are provided either with a fixed or tilting frame (Fig.2.1) and a seating system quick release interface (Fig.2.4 on page 13).

Fig.2.1 Tilting Frame

1. *Push Handles*
2. *Tilt Base*
3. *Wheelbase*
4. *Hand brake*
5. *Front Tie Down Point*
6. *Rear Tie Down Point*
7. *Handle Adjustment Knob*
8. *Tilt Lever (foot operated)*
9. *Handle Locking Catch*
10. *Interface Location (see page 13)*
11. *Rear Foot Bar*

2. KEY IDENTIFICATION POINTS (Cont.)

2.2. SELF PROPELLED

- SOS MOJO Self Propelled Wheelbases are provided either with a fixed or tilting frame (Fig.2.2) and a seating system quick release interface (Fig.2.4 on page 13).

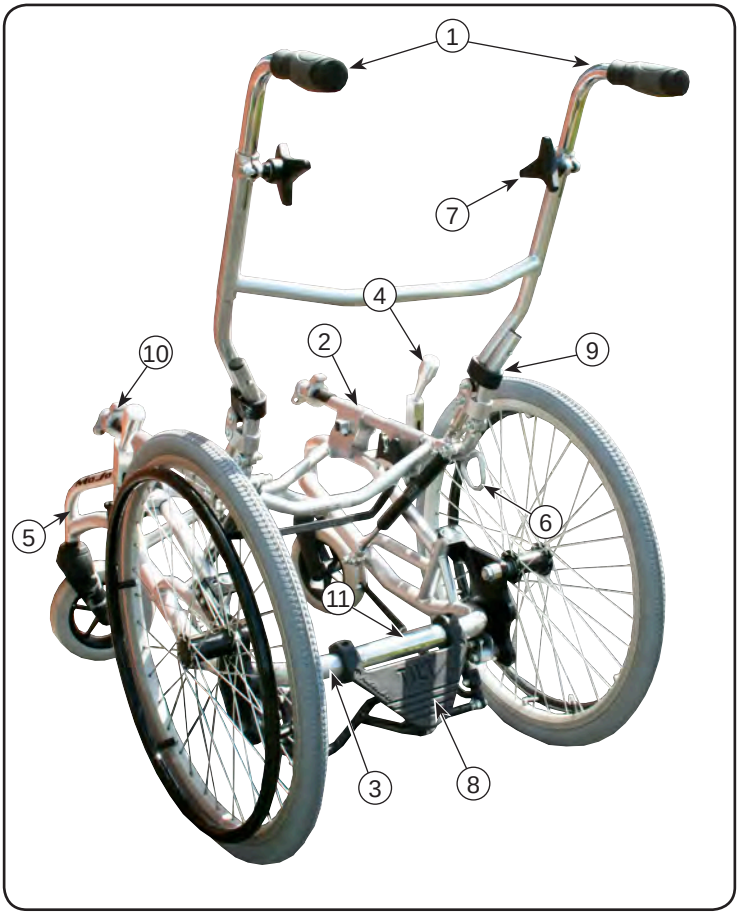


Fig.2.2 Self Propelled

1. *Push Handles*
2. *Tilt Base*
3. *Wheelbase*
4. *Hand brake*
5. *Front Tie Down Point*
6. *Rear Tie Down Point*
7. *Handle Adjustment Knob*
8. *Tilt Lever (foot operated)*
9. *Handle Locking Catch*
10. *Interface Location (see page 13)*
11. *Rear Foot Bar*

2. KEY IDENTIFICATION POINTS (Cont.)

2.3. TILT AND RECLINE

- SOS MOJO Tilt and Recline Wheelbases are provided with a tilting frame (Fig.2.3) and a seating system quick release interface (Fig.2.4 on page 13).

Fig.2.3 Tilt and Recline

1. *Push Handles*
2. *Tilt Base*
3. *Wheelbase*
4. *Hand brake*
5. *Front Tie Down Point*
6. *Rear Tie Down Point*
7. *Handle Adjustment Knob*
8. *Tilt Lever (foot operated)*
9. *Recline Lever*
10. *Interface Location (see page 13)*
11. *Rear Foot Bar*

2. KEY IDENTIFICATION POINTS (Cont.)

2.4. SEATING SYSTEM INTERFACE

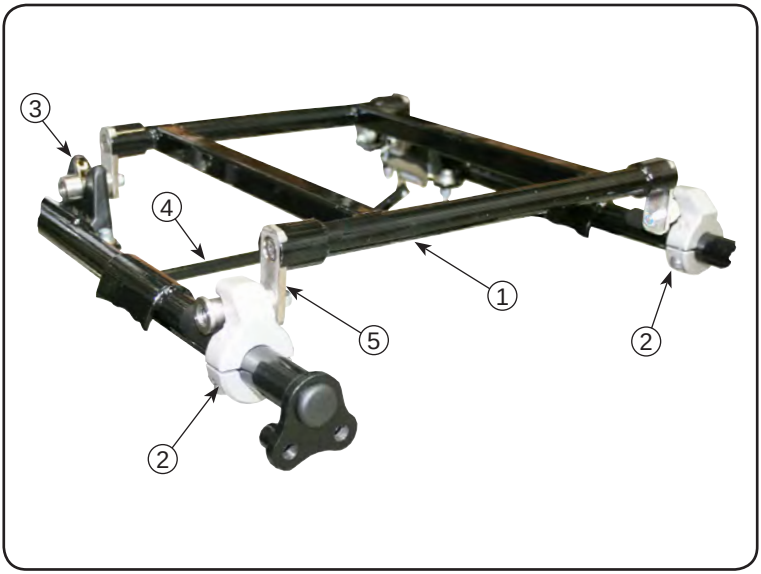


Fig.2.4

1. *Frame*
2. *Front Location (x2)*
3. *Rear Catch (x2)*
4. *Release Handle*
5. *Offset Spigot Assembly (x4)*

2.5. THE SEATING SYSTEM

- Seating Systems need to be interfaced to the Wheelbase safely and it is important that the interface system supplied with the Wheelbase is used in conjunction with any retention straps supplied with your seating system.
- It is recommended that seating systems are attached to the MoJo Wheelbase using an SOS “MoJo Wheelbase Seat Interface”. (see tech spec for reference and interface product codes)
- Please refer to any handbooks supplied with your seating system before attaching it to the Wheelbase.

USER GUIDE 1.0
PREPARING THE WHEELBASE FOR USE

1.1. UNFOLDING THE HANDLES (ex. Tilt & Recline)

- Make sure that both brakes (refer to page 3 for brake type) are applied to the rear wheels (Fig.1.1a).
- Pull handle upwards until it is up against the stops (Fig.1.1b).
- Slide the handle locking catch over the base upright until it reaches the stops (Fig.1.1c), the locking pins will automatically pop into place.

Fig.1.1a

Fig.1.1b

Fig.1.1c

1.2. FOLDING THE HANDLES (ex. Tilt & Recline)

- Make sure that both brakes (refer to page 3 for brake type) are applied to the rear wheels (Fig.1.2a).
- Push in locking pin and slide the handle locking catch up & clear or the base uprights (Fig.1.2b).
- Push handle down and let it rest on the base frame.

Fig.1.2a

Fig.1.2b

To Achieve Minimum Folded Height (ex. Tilt & Recline)

- Make sure that both brakes (refer to page 3 for brake type) are applied to the rear wheels (Fig.1.2a).
- On Tilt-in-Space models set the tilt angle at its lowest position (see page 17).
- Release handle adjustment knobs (Fig.1.2c) & rotate handles through 180°, re-tighten the knobs.
- Push in locking pin and slide the handle locking catch up & clear or the base uprights (Fig.1.2b).
- Push handle down and let it rest on the base frame. (Fig.1.2d)

Fig.1.2c

Fig.1.2d

1.3. ATTACHING THE SEAT

- Make sure that both brakes (refer to page 3 for brake type) are applied to the rear wheels (Fig.1.3a).
- Locate the front of the interface frame into stops as shown (Fig.1.3b).
- Lower the interface into the rear catches as shown until it clicks into position (Fig.1.3c).
- **Please refer to handbooks supplied with your seating system for any additional security devices (i.e. Retaining Straps) that need to be fitted prior to client use.**

Fig.1.3a

Fig.1.3b

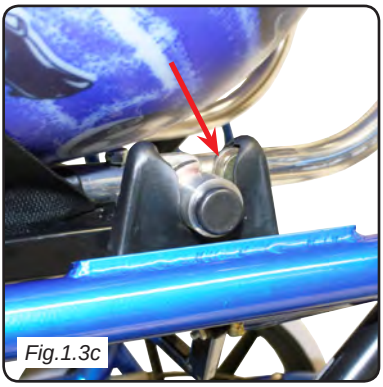


Fig.1.3c

Fig.1.3d

RELEASING THE SEAT

- Make sure that both brakes (refer to page 3 for brake type) are applied to the rear wheels (Fig.1.3a).
- SOS recommends that the client is always removed from the seating system before releasing the interface and removing seats. ***Never try to lift the client in the seat system***
- To release the seat pull back the interface lever (Fig.1.3d) until the catches release, raise up the rear of the interface clear of the catches, release the lever and pull the interface clear of the front stops.
- Now lift the seat and remove.

1.4. TILT OPERATION (when fitted)

- Make sure that both brakes (refer to page 3 for brake type) are applied to the rear wheels (Fig.1.4a).
- Make sure seating system and user are in place.
- Place your foot on the tilt lever (Fig.1.4b), press the lever and apply your weight to the push handles until desired angle of tilt is achieved then release the lever. To raise the seat just press the lever until tilt required and release.

Fig.1.4a

Fig.1.4b

1.5. HANDLE HEIGHT ADJUSTMENT (when fitted)

- Release knobs and lift (or lower) handle to its desired position (Fig.1.5a).
- When in position re-tighten the knobs (Fig.1.5b).

Fig.1.5a

Fig.1.5b

1.6. RECLINE OPERATION (when fitted)

- Make sure that both brakes (refer to page 3 for brake type) are applied to the rear wheels (Fig.1.6a).
- Make sure seating system and user are in place.
- Squeeze the recline lever (Fig.1.6b) and apply your weight to the push handles until desired recline angle is achieved then release the lever. To raise the seat just squeeze the lever until recline required and release.

Fig.1.6a

Fig.1.6b

1.7. ATTENDANT BRAKES (when fitted)

- To put the brakes on, Squeeze both brake levers (Fig.1.7a) until the brakes are securely on then let go of the lever as this will stay in place.
- To release the brakes, Squeeze both locking levers under the brake levers (Fig.1.7b) and allow the brake levers to return to the off position, then let go of the locking levers.
- **Never let go of the wheelchair unless both wheel brakes are applied.**

Fig.1.7a

Fig.1.7b

USER GUIDE 2.0
FITTING AND USE OF ACCESSORIES

2.1. FOOTREST OPERATION (if fitted)

- Make sure that both brakes (refer to page 3 for brake type) are applied to the rear wheels (Fig.2.1a).
- Locate the footrest stem in the mounting socket (Fig.2.1b), Press the release button and slide footrest fully in until catch engages, release button.
- Foot plates can be swung up (Fig.2.1c) to help gain access to the wheelchair.
- The foot plates are height adjustable by releasing the nut and bolt at the rear of the stem (Fig.2.1d) and moving the foot plate up the stem to the desired height then re-tightening the nut.
- To remove footrests for transport, etc, press the release button (Fig.2.1b) and pull the footrest assembly out.
- ***DO NOT*** **at any time stand on the foot plates as this can result in damage or injury.**

Fig.2.1a

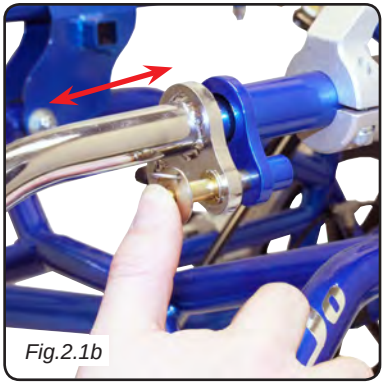


Fig.2.1b

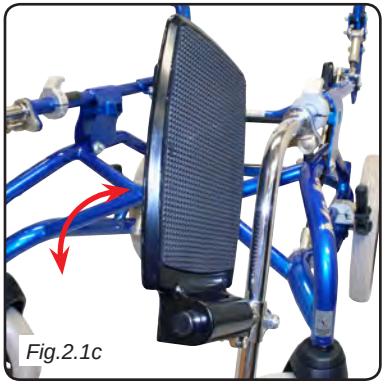


Fig.2.1c

Fig.2.1d

2.2. SWING ASIDE FOOTREST OPERATION (if fitted)

- Make sure that both brakes (refer to page 3 for brake type) are applied to the rear wheels (Fig.2.2a).
- Hook the footrest assembly on to the location pegs (Fig.2.2b), swing the footrest fully inboard until the catch engages.
- Foot plates can be swung up (Fig.2.2c) and by pressing the release lever (Fig.2.2d) swung aside to help gain access to the wheelchair.
- The foot plates are height adjustable by releasing the bolt at the rear of the stem (Fig.2.2e) and moving the foot plate up the stem to the desired height then re-tightening the nut.

Fig.2.2a

- To remove footrests for transport, etc, press the release lever (Fig.2.2d), swing the footrest to the side and lift the footrest assembly off the location pegs.
- ***DO NOT* at any time stand on the foot plates as this can result in damage or injury.**

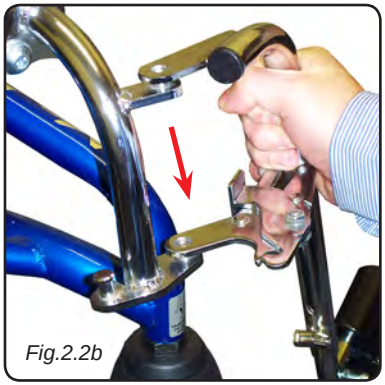


Fig.2.2b

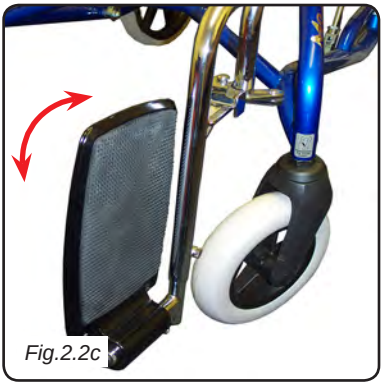


Fig.2.2c

Fig.2.2d

Fig.2.2e

2.3. ARMREST OPERATION (if fitted)

Fig.2.3a

- Make sure that both brakes (refer to page 3 for brake type) are applied to the rear wheels (Fig.2.3a).
- Locate the armrest stem in the mounting socket (Fig.2.3b), set the armrest at the required height and tighten the knob (Fig.2.3c). ***Please note:*** the armrests can be fitted and used in the forward or reverse position.
- Slide the locking collar down on to the socket (Fig.2.3d) and tighten the grub screw (this allows the height to be retained when replacing armrest after removal).
- Armrests can be moved in-board or out-board by releasing the grub screw on the upper frame and sliding in or out to the required position, re-tighten grub screw when finished (Fig.2.3e).
- To remove armrests for transport, etc, release the knob on the socket and lift out. If at any time you require the height to be altered you must release the grub screw on the locking collar.
- ***DO NOT* at any time lift the wheelbase via the armrests as this can result in damage or injury.**

Fig.2.3b

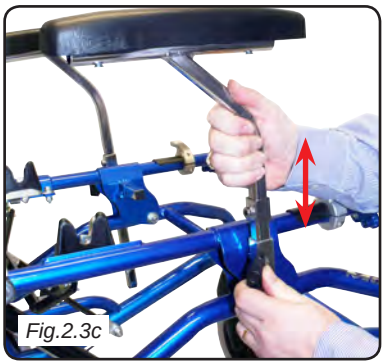


Fig.2.3c

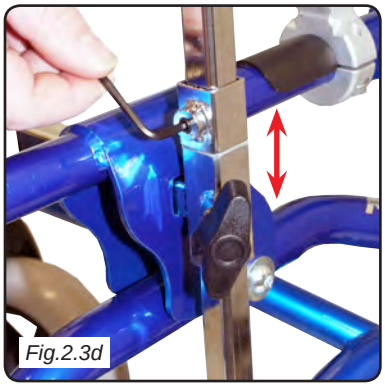


Fig.2.3d

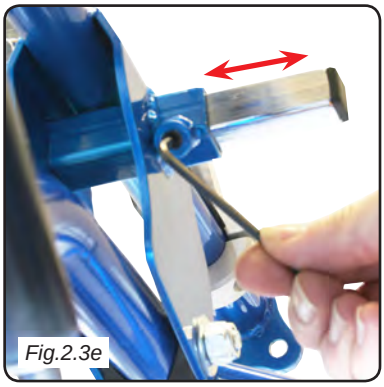


Fig.2.3e

2.4. POWER PACK FITTING (if supplied)

- Compress the cross tube and locate the two ends on to the mounting spigots (Fig.2.4a), make sure the cross tube is firmly located and tighten the knob (Fig.2.4b).
- Mount the battery in the tray and join the power connector together, ensuring red goes to red (Fig.2.4c).
- Connect the control cable to the power switch on the handle bar (Fig.2.4d). ***Please*** refer to the handbook that came with the power pack for operation.
- When not in use, hook the lifting strap over the centre tube on the handle bar and join the buckle together (Fig.2.4e) making sure that the wheels are clear of the ground.
- Power Pack removal is a reversal of the fitting procedure on this page.
- ***BEFORE*** **lifting the MoJo completely off the ground (i.e. into a vehicle etc.) remove the power pack assembly from the wheelbase to prevent personal strain or injury.**

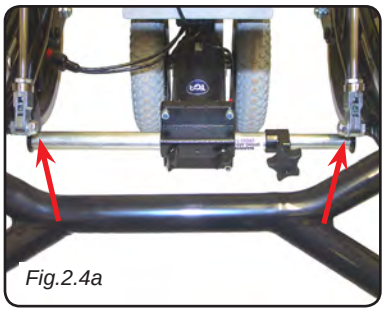


Fig.2.4a

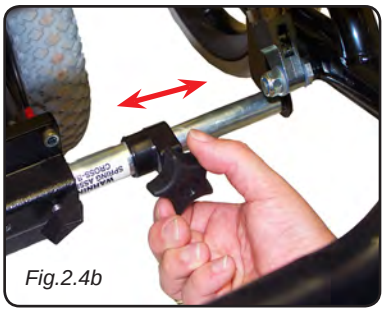


Fig.2.4b

Fig.2.4c

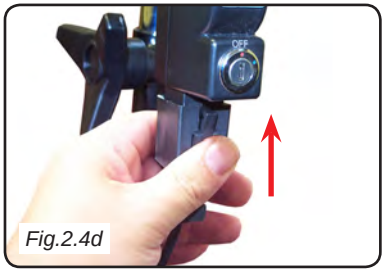


Fig.2.4d

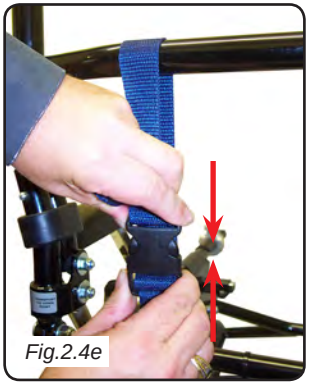


Fig.2.4e

2.5. NET CARRIER FITTING (if supplied)

- Place the bag inside of the chassis with the manufacturers label at the rear by the tilt pedal.
- Hook the rear straps over the rear cross beam as shown (Fig.2.5a) and secure the two halves of the Velcro together.
- Hook the front straps over the front cross beam as shown (Fig.2.5b) and secure the two halves of the Velcro together.
- Hook the middle straps over the lower frame, around the back of the tilt mechanism as shown (Fig.2.5c) and secure the two halves of the Velcro together.
- Correctly fitted net carrier shown (Fig.2.5d).
- Removal is a reversal of the above.
- **Be careful not to overload the carrier especially with loose items as these may lodge in the wheels causing instability.**

Fig.2.5a

Fig.2.5b

Fig.2.5c

Fig.2.5d

2.6. SUNSHADE/RAIN CANOPY FITTING (if supplied)

Fitting Sunshade:

- Locate the frame legs into the frame receivers (Fig.2.6a), set to height required and tighten in place with wing knob.
- Push the centre of the frame locking bar until straight so that the sunshade is tensioned properly (Fig.2.6b). Repeat for other side.
- Correctly fitted & tensioned sunshade as shown (Fig.2.6c)
- Removal is a reversal of the above.

Fig.2.6a

Fig.2.6b

Fig.2.6c

2.6. SUNSHADE/RAIN CANOPY FITTING (if supplied) Cont.

Fitting Rain Canopy:

- Remove the rain canopy from the zipped pouch on the back of the sunshade (Fig.2.6d).
- Unfold the rain canopy and hook over the sunshade as shown (Fig.2.6e).
- Pull the rear panel down between the MoJo handles and hook the front of the rain canopy around the footbox on the seating system (if fitted).
- Hook the two elasticated straps around the rear tie down hooks as shown (Fig.2.6f). Repeat for other side.
- Correctly fitted rain canopy as shown (Fig.2.6g)
- Removal is a reversal of the above.
- **Please ensure the top & bottom retaining straps (Fig.2.6f) are released *BEFORE* folding/removing to prevent damage to the rain canopy.**

Fig.2.6d

Fig.2.6e

Fig.2.6f

Fig.2.6g

2.7. SOLO RAIN CANOPY FITTING (if supplied)

- Fix the two frame clips on to the handle frame either side of the tilt handle (Fig.2.7a). Repeat for other side.
- Unfold the rain canopy and fix the two halves of the Velcro straps (at top & bottom) between the two clear panels (Fig.2.7b). Repeat for other side.
- Correctly fitted rain canopy as shown (Fig.2.7c)
- Removal is a reversal of the above.

Fig.2.7a

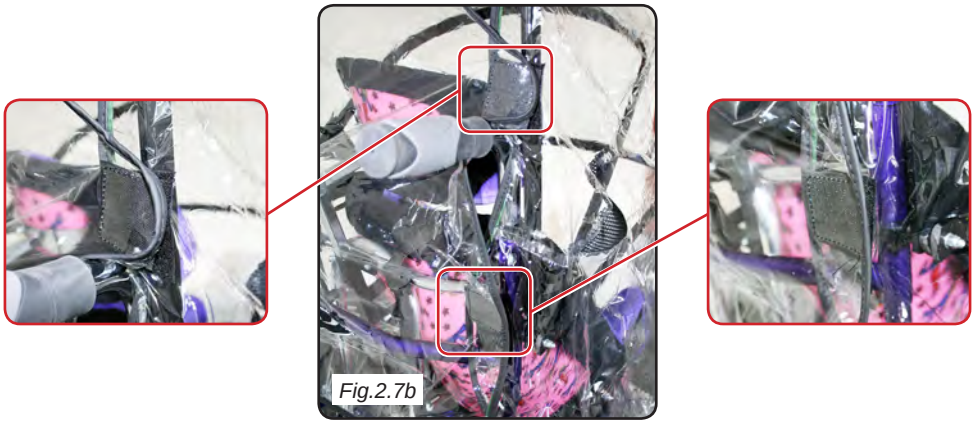


Fig.2.7b

Fig.2.7c

USER GUIDE 3.0
PLACING THE CLIENT

3.1. PLACING CLIENT INTO SEATING IN WHEELCHAIR

- Apply both wheel brakes (refer to page 3 for brake type).
- Set tilt (if fitted) in the required position.
- Make sure all client retaining straps are outside of seating system this will avoid the client sitting on them when placed in the seat.
- Hinge the footplates (if fitted) out of the way. ***DO NOT*** stand on the footplates.
- Lower the client into the wheelchair using a hoist (Please refer to your hoist ”operators manual”).
- Manually lifting the client is not recommended.
- With some clients it may not be possible to hoist them safely by conventional means and in instances such as this you are recommended to carry out a ***‘RISK ASSESSMENT’*** to assess the risks involved in any such action. **(It is important that all carers are aware of the Health & Safety guidelines for ‘Lifting and Handling’).**
- Lower the footplates (if fitted) & place feet on them.
- **Secure all straps/harness (if fitted) & tighten if necessary (Please refer to your “special seating users manual”).**

3.2. REMOVING THE CLIENT FROM SEAT IN WHEELCHAIR

- Apply both wheel brakes (refer to page 3 for brake type).
- Set tilt (if fitted) in the upright position.
- Remove all straps/harness (if fitted) & place outside of seating system (Please refer to your “special seating users manual”).
- Hinge the footplates (if fitted) out of the way. ***DO NOT*** stand on the footplates.
- Using a hoist lift the client from the seating system (for manual lifting please refer to section 3.1).

USER GUIDE 4.0
MANOEUVRING THE WHEELCHAIR

4.1. PUSHING THE WHEELCHAIR

- Apply both wheel brakes (refer to page 3 for brake type) & make sure client is comfortable/securely seated in the wheelchair (see user guide 3.0).
- Set tilt (if fitted) to suit the clients needs & adjust handle height.
- Release both wheel brakes (refer to page 3 for brake type) ***Note: always apply both wheel brakes when stationary for long periods of time.***
- Push the wheelchair by using both hands on the handles provided to prevent instability and erratic steering.
- **Never let go of the wheelchair unless both wheel brakes are applied.**
- **Always look well ahead to avoid any hazards and to prevent any sudden directional changes.**
- **Never push the wheelchair above walking pace or turn suddenly to prevent distressing the client or causing harm to passers by.**
- **Never allow anything to hang near or on the wheels (i.e. Clothing, clients equipment, etc.).**
- **Never hang anything on the back of the wheelchair (i.e. Bags, coats, etc.) as this could cause instability during use.**
- **The wheelchair should only be used by the client it was supplied for and NO other person.**
- **Always use both hands when tilting the wheelchair.**
- **Never tilt the wheelchair too far back as to make it unstable.**
- **Never approach the kerb at an angle, always approach straight to prevent one side lowering before the other causing sideways instability.**
- **If possible always place the wheelchair in the reverse position to drop down a kerb.**

USER GUIDE 5.0
LOOKING AFTER THE WHEELCHAIR

5.1. CLEANING

- Clean the frame with a damp cloth.
- To clean the wheels use warm soapy water.

5.2 FAULT FINDING CHECKS

- This fault finding chart offers possible causes and remedies that can occur over time depending upon usage. For adjustment and repairs, contact your wheelchair service.

Symptoms					Checks/Causes
Pulls or veers to the side	Slow Turning	Castor Wobble	Squeaks & Rattles	play in seating system	
✓	✓				Make sure tyre pressure is correct and equal in both pneumatic tyres
	✓	✓	✓	✓	Make sure all nuts and bolts are tight
			✓		Make sure all spokes and nipples are tight on spoked wheels
✓	✓	✓			Check castors for wear and for free running
✓		✓			Make sure both front castors touch the ground simultaneously
			✓	✓	Make sure seating interface is located properly and working

5.3. MAINTENANCE

- Your MoJo Wheelbase is designed to require the minimum amount of maintenance, which should only be carried out (along with any repairs) by an authorized repairer.
- We recommend that, at least once a year, your wheelchair service carry out a thorough inspection and service of your wheelbase.
- We recommend that users should check their wheelbase regularly to the schedules as shown below:-

Interval	Component(s)	Checks To Be Made
Weekly	General	The wheelchair moves in a straight line (no resistance or drag)
	Brakes	They are securely attached, properly adjusted and operating correctly.
	Front Castors	That they are free to rotate, and that the castors swivel freely and are not damaged.
	Solid Tyres	The running surface (tread) for wear or damage
	pneumatic tyres	That they are correctly inflated (the pressure is shown on the side wall) and for wear or damage
	Self Propelled Wheels	The spokes In case any are bent, broken or slack
	Seating System	Interface is working properly and retaining seat in place correctly
Monthly	General	The wheelbase unfolds and folds easily
	Rear Wheels	Wheel nuts correctly tightened
	Self Propelled Wheels	Handrims for rough patches and there is no excessive lateral movement or binding when turned
	Armrests	Firmly attached but easy to remove
	Footrests	Adjusted correctly and securely fitted
Yearly	Nuts and Bolts	That all nuts and bolts are in position and tightened
	Pivot Points	Nylon fittings for wear or damage
	Frame	For any signs of wear or damage
	Armrests	That the padding is in good condition
	Tilt-in-Space	For any signs of wear or damage and that the gas struts still raise and lower with client in place

IF YOU DETECT A FAULT OR BREAKAGE

1. **IF YOU DETECT A FAULT OR BREAKAGE OF THE EQUIPMENT THEN REPORT THIS IMMEDIATELY TO YOUR WHEELCHAIR SERVICE.**
2. **UNDER NO CIRCUMSTANCES ARE ANY MODIFICATIONS / ALTERATIONS TO BE DONE BY ANYONE OTHER THAN THOSE AUTHORISED TO DO SO BY THE WHEELCHAIR SERVICE RESPONSIBLE FOR ISSUE OF THE EQUIPMENT.**
3. **ANY SUCH UNAUTHORISED ACTION WILL PLACE THE CLIENT AT RISK. ALWAYS CONTACT YOUR WHEELCHAIR SERVICE WHO WILL THEN AUTHORISE ANY ACTION NECESSARY TO MAINTAIN OR REPAIR THE MOJO WHEELBASE.**

REPAIRS & SERVICE

Within the warranty period.

All ***MOJO*** wheelbases manufactured by Specialised Orthotic Services Ltd. carry a guarantee on the main frames for 60 months and all other parts for 12 months when used normally. If during this period the product becomes defective and needs repair then please contact SOS (contact details on the back of the booklet).

You can also contact your local wheelchair service regarding any faults requiring attention.

Outside the warranty period.

For any goods requiring repair or attention after the 12 months period, then assessment can be made as to the cost of the work required to effect the repair.
On acceptance of this quotation the work will proceed.

Misuse or neglect.

The repairs necessary resulting from misuse or neglect, whether within the warranty period or not will be charged for.

MEDICAL DEVICES DIRECTIVE 93 / 42 EEC

Specialised Orthotic Services Ltd. in compliance with the Medical Devices Directive have an obligation to investigate and take corrective action on defective devices. To assist us with this procedure we would appreciate your assistance in meeting this obligation by informing us as soon as possible and make the device available for inspection as soon as possible having become aware of a defect.

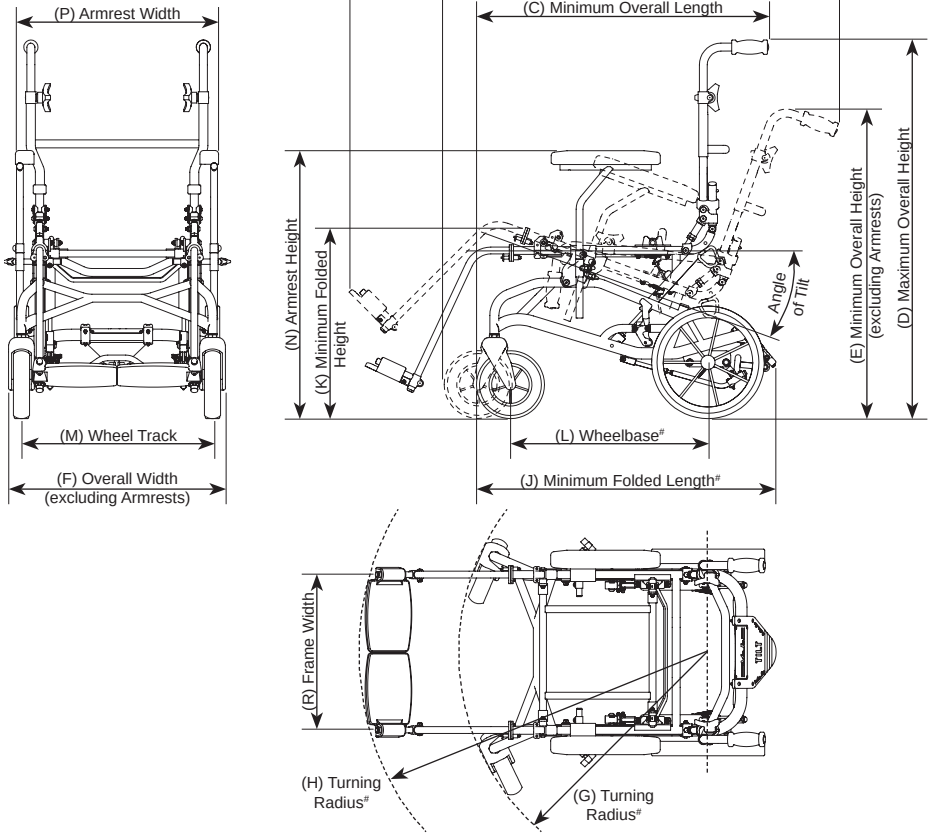
We are required to notify the Competent Authority of certain types of incidents within 10 to 30 days.

As part of our quality system we have established procedures to deal with such incidents and would appreciate your swift notification to us via our telephone, fax or e-mail details at the end of this users manual.

MOJO SPECIFICATIONS

Storage dimensions are:
F (width) x J (length#) x K (height)

 # Add 50mm for each rear wheel setback



Note:

Standard Specification charts are on pages 33 & 34
For variations to standard dimensions for 16” wheels & Self Propelled see page 35

MOJO SPECIFICATIONS (Cont.)

TYPE	ANGLE OF TILT	MINI DIMENSIONS in mm (inch)														
		A	B	C	D	E	F	G	H	J	K	L	M	N	P	R
Tilt-in-Space	-6° to +23°	1085 (42.7)	1325 (52.2)	765 (30.1)	1165 (45.9)	855 (33.7)	515 (20.3)	555 (21.9) to 600 (23.6)	810 (31.9) to 860 (33.9)	765 (30.1)	495 (19.5)	425 (16.7) to 476 (18.7)	432 (17.0)	615 (24.2) to 845 (33.3)	410 (16.1) to 565 (22.2)	330 (13.0)
Fixed Frame	0°	820 (33.3)	1015 (40.0)			1065 (41.9)				680 (26.8)	650 (25.6)					
	5°	885 (34.8)	1100 (43.3)	790 (31.1)	1125 (44.3)	1025 (40.4)			830 (32.7) to 880 (34.6)		620 (24.4)					
	10°	950 (37.4)	1175 (46.3)	840 (33.1)	1080 (42.5)	980 (38.6)			840 (33.1) to 890 (35.0)		585 (23.0)					
	15°	995 (39.2)	1230 (48.4)	880 (34.6)	1040 (40.9)	940 (37.0)			850 (33.5) to 900 (35.4)		560 (22.0)					

TYPE	ANGLE OF TILT	MIDI DIMENSIONS in mm (inch)														
		A	B	C	D	E	F	G	H	J	K	L	M	N	P	R
Tilt-in-Space	-7° to +23°	1130 (44.5)	1375 (54.1)	800 (31.5)	1175 (46.3)	865 (34.1)	555 (21.9)	605 (23.8) to 695 (27.4)	860 (33.9) to 960 (37.8)	800 (31.5)	520 (20.5)	463 (18.2) to 565 (22.2)	483 (19.0)	625 (24.6) to 855 (33.7)	465 (18.3) to 620 (24.4)	381 (15.0)
Fixed Frame	0°	865 (34.1)	1065 (41.9)			1075 (42.3)				715 (28.1)	665 (26.2)					
	5°	930 (36.6)	1145 (45.1)	830 (32.7)	1135 (44.7)	1035 (40.7)			875 (34.4) to 975 (38.4)		630 (24.8)					
	10°	995 (39.2)	1225 (48.2)	890 (35.0)	1090 (42.9)	990 (39.0)			890 (35.0) to 990 (39.0)		595 (23.4)					
	15°	1055 (41.5)	1290 (50.8)	935 (36.8)	1040 (40.9)	940 (37.0)			900 (35.4) to 1000 (39.4)		555 (21.9)					

TYPE	ANGLE OF TILT	MAXI DIMENSIONS in mm (inch)														
		A	B	C	D	E	F	G	H	J	K	L	M	N	P	R
Tilt-in-Space	-5° to +24°	1305 (51.4)	1570 (61.8)	855 (33.7)	1270 (50.0)	845 (33.3)	605 (23.8)	645 (25.4) to 740 (29.1)	920 (36.2) to 1020 (40.2)	840 (33.1)	555 (21.9)	501 (19.7) to 603 (23.7)	534 (21.0)	635 (25.0) to 865 (34.1)	570 (22.4) to 670 (26.4)	432 (17.0)
Fixed Frame	0°	1035 (40.7)	1255 (49.4)			1080 (42.5)				755 (29.7)	680 (26.8)					
	5°	1100 (43.3)	1340 (52.8)	910 (35.8)	1225 (48.2)	1035 (40.7)			940 (37.0) to 1040 (40.9)		640 (25.2)					
	10°	1160 (45.7)	1415 (55.7)	960 (37.8)	1180 (46.5)	990 (39.0)			950 (37.4) to 1050 (41.3)		605 (23.8)					
	15°	1215 (47.8)	1480 (58.3)	1010 (39.8)	1130 (44.5)	940 (37.0)			965 (38.0) to 1065 (41.9)		565 (22.2)					

MOJO SPECIFICATIONS (Cont.)

GENERAL SPECIFICATIONS				
SIZE & SPEC		Standard	16” Wheels	Self Propelled
MINI	Maximum User Mass*	75 Kg	75 Kg	75 Kg
	Mass of Tilt-in-Space Wheelbase	17.9 to 22.9 Kg	22.3 to 27.3 Kg	24.7 to 29.7 Kg
	Mass of Fixed Wheelbase	14.6 to 19.6 Kg	19.0 to 24.0 Kg	21.4 to 26.4 Kg
MIDI	Maximum User Mass*	90 Kg	90 Kg	90 Kg
	Mass of Tilt-in-Space Wheelbase	19.0 to 24.4 Kg	23.4 to 28.8 Kg	25.8 to 31.2 Kg
	Mass of Fixed Wheelbase	15.7 to 21.1 Kg	20.1 to 25.5 Kg	22.5 to 27.9 Kg
MAXI	Maximum User Mass*	120 Kg	120 Kg	120 Kg
	Mass of Tilt-in-Space Wheelbase	20.3 to 25.9 Kg	24.7 to 30.3 Kg	27.1 to 32.7 Kg
	Mass of Fixed Wheelbase	17.0 to 22.6 Kg	21.4 to 27.0 Kg	23.8 to 29.4 Kg

** Combined weight of the user and their seating system.*

MODEL SPECIFIC VARIATIONS DIMENSIONS in mm (inch)							
TYPE		C	F	J	K	M	
						Front	Rear
MINI	16” Wheels	N/V	520 (20.5)	N/V	N/V	432 (17.0)	460 (18.0)
	Self Propelled	808 (31.8) to 880 (34.6)	585 (23.0)	808 (31.8)	570 (22.4) to 650 (25.6)		495 (19.5)
MIDI	16” Wheels	N/V	570 (22.4)	N/V	N/V	483 (19.0)	510 (20.0)
	Self Propelled	894 (35.2) to 935 (36.8)	635 (25.0)	894 (35.2)	570 (22.4) to 665 (26.2)		545 (21.5)
MAXI	16” Wheels	N/V	620 (24.4)	N/V	N/V	534 (21.0)	560 (22.0)
	Self Propelled	933 (36.7) to 1010 (39.8)	685 (27.0)	933 (36.7)	570 (22.4) to 680 (26.8)		595 (23.5)

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Specialised
Orthotic
Services

Unit 127/128, Fauld Industrial Park, Tutbury, Staffordshire. DE13 9HS.
Tel: 01283 520400 Fax: 01283 520401
E-mail: enquiries@specialorthotic.com